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MONTANA OIL AND GAS STATISTICAL BULLETIN

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PETROLEUM ENGINEER
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MONTANA SCHOOL OF MINES



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MILES CITY, MONT.

OIL AND GAS CONSERVATION COMMISSION

SAVINGS BLDG.
HELENA, MONTANA

Vol. XI, No. 5 HELENA INDEPENDENT-RECORD MAY, 1963

Production of crude oil and condensate from the oil and gas areas of Montana for the Month of May, 1963, averaged 84,711 barrels daily, a decrease of 520 barrels from the average April production of 85,231.

The eight refineries in State processed 75,866 barrels of crude oil daily for the month of May, 1963, an increase of 29,086 barrels from the 46,780 barrels processed daily during the month of April, 1963.

During May, 25 wells were completed, 12 oil, 0 gas wells and 13 dry holes.

During May, the commission issued 29 permits to drill new wells, a decrease of 3 from the 32 permits issued during April.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF MAY, 1963

IN STORAGE MAY 1st:	
By Producers	351,924
By Transporters	1,025,543
By Refiners	683,981
TOTAL STORAGE	2,061,448
Produced in Montana During Month	2,626,044
Imported During Month	1,188,768
TOTALS	5,876,260
DISPOSITION:	
Refined in Montana	2,351,868
Exported	1,516,555
Used for Fuel or Lost	7,410
TOTAL	3,875,833
IN STORAGE MAY 31st:	
By Producers	352,011
By Transporters	1,009,822
By Refiners	638,594
TOTAL STORAGE	2,000,427

NATURAL GAS WITHDRAWALS IN MONTANA

Month of May, 1963

Field	M Cu. Ft.
Bears Den	0
Big Coulee	61,523
Bowdoin	98,111
Bowes	84,167
Box Elder	0
Cabin Creek	81,631
Cedar Creek	167,170
Clarks Fork	0
Cut Bank (including Reagan)	267,745
Devon	0
Dry Creek	53,498
Elk Basin	28,701
Flat Coulee	29,129
Golden Dome	16,683
Grandview	0
Hardin	5,135
Havre	0
Keith Block	227,732
Kevin Sunburst	46,553
Pine	63,005
Plevna	17,392
Utopia	27,538
Whitlash	266,591
Miscellaneous	17,180
TOTAL	1,559,484

Total Withdrawals for May, 1962
were 1,765,290 M Cu. Ft.

PRODUCERS REPORT—MONTH OF MAY, 1963

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
1	Ash Creek	4	411	2,224	-----	1,778	-----	857
5	Bannatyne	9	1,252	1,125	-----	1,651	-----	726
1	Bascom	1	298	840	963	-----	-----	175
5	Bear's Den	6	1,392	3,066	-----	3,062	-----	1,396
1	Belfry	1	206	549	-----	403	-----	352
1	Benrud	1	597	1,805	1,886	-----	-----	516
1	Benrud East	1	702	15,128	15,140	-----	-----	690
11	Big Wall	31	2,569	23,826	23,852	463	-----	2,080
9	Blackfoot	14	3,058	7,895	8,334	-----	-----	2,619
4	Border	4	187	817	-----	947	-----	57
1	Bowes	76	3,102	14,803	11,375	-----	-----	6,530
1	Brady	1	126	485	387	-----	-----	224
2	Bredette North	2	1,717	397	349	-----	-----	1,765
10	Cabin Creek	116	10,004	308,369	306,675	-----	-----	11,698
14	Cat Creek	97	3,884	19,092	19,535	-----	18	3,423
1	Clark's Fork	1	84	226	-----	141	-----	169
1	Clark's Fork North	1	1,652	977	-----	1,004	-----	1,625
1	Cupton	1	942	426	-----	770	-----	598
215	Cut Bank	1,082	118,133	152,158	158,399	-----	-----	111,892
3	Deer Creek	6	1,355	12,730	12,400	-----	-----	1,685
2	Delphia	2	633	1,437	-----	1,481	5	584
-----	Devil's Basin	-----	1,265	-----	-----	-----	-----	1,265
3	Dry Creek	3	1,236	639	932	-----	-----	943
19	Dwyer	20	12,098	67,846	67,694	-----	57	12,193
8	Elk Basin	59	3,382	255,158	254,634	-----	-----	3,906
2	Fertile Prairie	2	973	1,093	1,627	-----	288	151
3	Flat Coulee	12	3,663	21,602	-----	22,783	-----	2,482
2	Frannie	2	-----	1,617	1,617	-----	-----	-----
2	Gage	2	827	558	529	-----	6	850
4	Gas City	26	4,693	68,968	65,710	2,798	-----	5,153
6	Glendive	11	2,666	28,638	20,631	9,271	-----	1,402
6	Graben Coulee	15	4,146	9,235	8,931	-----	-----	4,450
3	Gypsy Basin	3	896	1,927	1,014	-----	53	1,756
1	Hibbard	1	540	637	-----	795	-----	382
8	Ivanhoe	13	2,895	32,695	32,544	-----	62	2,984
6	Keg Coulee	14	4,188	28,778	28,475	-----	-----	4,491
161	Kevin Sunburst	847	16,912	52,012	50,579	-----	87	18,258
2	Little Beaver	24	3,622	29,394	29,418	663	-----	2,935
4	Little Beaver East	21	2,170	30,541	28,750	-----	-----	3,961
3	Lone Tree	3	1,948	6,937	-----	7,547	-----	1,338
21	Lookout Butte	59	7,084	195,271	189,398	4,005	35	8,917
-----	Mackay Dome	-----	770	-----	-----	-----	-----	770
2	Melstone	4	684	4,790	4,341	-----	-----	1,133
6	Monarch	16	3,211	14,230	14,195	-----	-----	3,246
4	Mosser	4	-----	979	-----	979	-----	-----
2	Musselshell	2	977	500	-----	839	-----	638
7	Outlook	11	7,572	34,907	35,789	-----	-----	6,690
3	Outlook South	3	1,394	1,914	1,329	-----	-----	1,979
43	Pennel	74	4,393	177,661	169,433	7,289	537	4,795
4	Pine	136	12,793	363,358	363,498	389	-----	12,264
77	Pondera	314	9,403	37,219	36,910	-----	13	9,699
1	Pondera Coulee	1	-----	71	71	-----	-----	-----
5	Poplar, East	87	14,338	133,057	132,316	-----	698	14,381
4	Poplar, Northwest	5	1,678	2,265	2,906	-----	-----	1,037
6	Ragged Point	19	2,533	16,690	16,370	-----	-----	2,853
3	Reagan	44	2,791	20,640	20,596	-----	-----	2,835
9	Red Creek	22	4,758	43,654	42,088	2,614	-----	3,710
1	Redstone	1	316	987	941	-----	-----	362
1	Repeat	1	279	2,094	-----	2,315	-----	58
7	Richey	9	4,383	9,169	10,468	-----	-----	3,084
-----	Richey, Southwest	-----	2,781	9,019	-----	9,019	-----	2,781
4	Sand Creek	5	2,899	9,816	8,606	-----	-----	4,109
7	Sidney-Brorson	7	4,736	6,151	472	4,932	26	5,457
2	Snyder	4	2,379	627	-----	694	-----	2,312
6	Soap Creek	10	3,585	3,734	-----	2,772	-----	4,547
1	Spring Lake	1	2,275	7,818	-----	8,359	-----	1,734
2	Stensvad	27	6,841	47,349	47,625	-----	-----	6,565
30	Sumatra	96	13,631	160,437	159,159	-----	-----	14,909
6	Tule Creek	8	2,838	71,107	71,052	-----	-----	2,893
12	Whitlash	31	3,838	10,093	9,606	409	-----	3,916
2	Whitlash West	2	-----	606	606	-----	-----	-----
9	Wolf Springs	18	5,324	17,681	19,105	-----	-----	3,900
4	Woodrow	6	691	12,976	13,024	-----	-----	643
1	Wildcat, Sherdian Cty	1	261	1,470	728	-----	73	930
1	Wildcat, Roosevelt Cty	1	64	1,054	815	-----	-----	303
826		3,564	351,924	2,626,044	2,523,827	100,172	1,958	352,011

Total Oil Produced and Shipped from Lease

	Bbbs. Produced	Daily Average	Bbbs. Shipped	Daily Average
Year, 1962	31,647,507	86,705	31,739,123	86,956
First Quarter, 1963	7,700,475	86,522	7,645,115	85,900
April, 1963	2,556,941	85,231	2,596,122	86,537
May, 1963	2,626,044	84,711	2,623,999	84,645

	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
Oil in Storage				
December, 1962	350,355	917,246	595,843	1,863,444
March, 1963	391,644	915,187	407,232	1,714,063
April, 1963	351,924	1,025,543	683,981	2,061,448
May, 1963	352,011	1,009,822	638,594	2,000,427

*Includes Wyoming Oil

TRANSPORTERS REPORT—MONTH OF MAY, 1963

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			1,778				1,778		
BANNATYNE—Truck			1,651			1,651			
BEAR'S DEN—Truck			3,062					3,062	
BELFRY—Truck			403				403		
BIG WALL—McWood Corp.			463					463	
Glacier Pipe Line Co.		23,912				23,912			
		23,912	463			23,912		463	
BLACKFOOT—Union Oil Co.		8,334				8,334			
BORDER—Truck			947					947	
BOWES—Texaco, Inc.		11,375				11,375			
CABIN CREEK & OTHERS*									
Butte Pipe Line Co.	366,913	979,355		676,769			1,684,181		338,856
Shell Pipe Line Corp.	5,121	322,791		668	(578)			323,746	5,412
Truck			36,519					36,519	
	372,034	1,302,146	36,519	677,437	(578)		1,684,181	360,265	344,268
CAT CREEK Glacier Pipe Line Co.		16,340				16,340			
CLARK'S FORK—Truck			1,145				1,145		
CUT BANK									
Darling Gathering System, Inc.	1,763	7,038						6,908	1,893
Glacier Pipe Line Co.				92,126				92,126	
Phillips Petroleum Co.	39,401	51,534		53,759	(205)	73,229		4,990	66,680
Texas Pipe Line Co.	19,409	25,021		28,991	5			49,388	24,028
Teton Pipeline Corp.	60,668	32,968		70,402	331	9,683		106,433	47,591
Union Oil Co.	67,331	69,807		25,384	1,043	111,800			49,679
	188,572	186,368		270,662	1,174	194,712		259,845	189,871
DELPHIA—Truck			1,481			1,481			
DRY CREEK— Marathon Pipe Line Co.	9,824	1,120			(15)			3,491	7,468
ELK BASIN—Ohio Oil Co.		254,634				254,634			
FLAT COULEE—Truck			22,783					22,783	
FRANNIE—Marathon Pipeline Co.		1,617					1,617		
GAGE—Glacier Pipe Line Co.		530						530	
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK Texas Pipe Line Co.	12,426	63,934			(385)			68,210	8,535
HIBBARD—Truck			795					795	
IVANHOE—Glacier Pipe Line Co.		33,160				33,160			
KEG COULEE Glacier Pipe Line Co.		28,448				28,448			
KEVIN SUNBURST									
Big West Oil Co.	3,886	84,670				84,188			4,368
Homestake Oil & Gas Co.	1,883	2,074		6,945	87	10,185			630
Texas Pipe Line Co.	5,949	19,983			9			17,830	8,093
	11,718	106,727		6,945	96	94,373		17,830	13,091
LONE TREE—Truck			7,547				7,547		
MELSTONE— Glacier Pipe Line Co.		4,342				4,342			
MOSSER—Truck			979				979		
MUSSELSHELL—Truck			839				839		
PONDERA—Phillips Petr. Co.	34,916	39,248			(1,994)	50,073			26,085
POPLAR, BENRUD, BREDETTE, DWYER, OUTLOOK, OUTLOOK SOUTH, REDSTONE, RICHEY & TULE CREEK East Poplar Gathering System Hunt Petroleum Corporation	14,084	313,987			826			313,923#	13,322
		21,213					21,213		
	14,084	335,200			826			313,923	13,322
RAGGED POINT— Glacier Pipe Line Co.		16,370				7,660		8,710	
RED CREEK—Teton Pipeline Co.		49,432			494			48,938	
Mountain Crude Marketers			2,614	6,316				8,930	
		49,432	2,614	6,316	494			57,868	
SIDNEY-BRORSON—McWood Corp.	4,029		4,932	1,129				7,042	3,048
SNYDER—McWood Corp.			694					694	
SOAP CREEK—McWood Corp.	5,324		2,772					3,762	4,334
SPRING LAKE—Truck			8,359				8,359		
SUMATRA AND STENSVD Glacier Pipe Line Co.	372,616	205,991		309,340	4,966	291,436		191,745	399,800
WHITLASH— Truck		10,212	409			10,621			
WOLF SPRINGS Glacier Pipe Line Co.		19,105				19,105			
TOTALS	1,025,543	2,718,545	100,172	1,271,829	4,584	1,051,657	1,728,061	1,321,965	1,009,822

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Southwest Richey.

#Transferred to Butte Pipe Line Company.



Montana School of Mines
Office of the President
Butte, Montana

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF MAY, 1963

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Rfg. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Union Oil Co.	Total
Big Wall		23,912							23,912
Blackfoot								8,334	8,334
Bowes									
Cat Creek		13,459				3,832			17,291
Cut Bank	9,683						74,029	78,640	162,352
Delphia						1,627			1,627
Devil's Basin						123			123
Dry Creek				959					959
Elk Basin		105,351		67,773	81,480				254,604
Flat Coulee	22,783								22,783
Gage		530							530
Hibbard						851			851
Ivanhoe				33,160					33,160
Keg Coulee		28,448							28,448
Kevin Sunburst	46,397								46,397
Melstone				4,342					4,342
Pondera							48,806		48,806
Ragged Point				7,660					7,660
Reagan								20,596	20,596
Sumatra & Stensvad		355		164,951	218,256				383,562
Whitlash	10,621								10,621
Wolf Springs					86,142				86,142
Total Montana Oil	89,484	172,055		278,845	385,878	6,433	122,835	107,570	1,163,100
Canadian Oil Imported		53,400			40,814			3,136	97,350
Wyoming Oil Imported		50,387		378,645	657,498	4,888			1,091,418
Total Montana, Canadian and Wyoming Oil	89,484	275,842		657,490	1,084,190	11,321	122,835	110,706	2,351,868

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1962	30,616	728	45,775	77,119
May, 1962	26,336	483	39,452	66,271
May, 1963	37,519	3,140	35,207	75,866

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1962	39.69%	.96%	59.35%
May, 1962	39.74%	.73%	59.53%
May, 1963	49.45%	4.15%	46.40%